			(C)
	Application No.	Applicant(s)	
Notice of Allowability	10/826,371	BROWN, DAVID RENICK	
	Examiner	Art Unit	
	Alessandro V. Amari	2872	
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this application or other appropriate communication IGHTS. This application is subject to	plication. If not include will be mailed in due	ded e course. <b>THIS</b>
1. This communication is responsive to <u>12/22/2004</u> .			
2. The allowed claim(s) is/are 1-6 and 11-15.			
3. $\boxtimes$ The drawings filed on <u>19 April 2004</u> are accepted by the E	xaminer.		
<ul> <li>4. ☐ Acknowledgment is made of a claim for foreign priority ur</li> <li>a) ☐ All b) ☐ Some* c) ☐ None of the:</li> <li>1. ☐ Certified copies of the priority documents have</li> <li>2. ☐ Certified copies of the priority documents have</li> <li>3. ☐ Copies of the certified copies of the priority do International Bureau (PCT Rule 17.2(a)).</li> <li>* Certified copies not received:</li> </ul>	e been received. e been received in Application No		ation from the
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	of this communication to file a reply IENT of this application.	complying with the re	equirements
5. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give			NOTICE OF
6. CORRECTED DRAWINGS ( as "replacement sheets") mus	st be submitted.		
(a) including changes required by the Notice of Draftspers	<del>-</del> ,	948) attached	
1) hereto or 2) to Paper No./Mail Date			
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment or in the C	onice action of	
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t			e back) of
7. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT			Note the
Attachment(s)  1. ☐ Notice of References Cited (PTO-892)  2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	5.	(PTO-413), le	ГО-152)
<ol> <li>Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 12/22/2004</li> </ol>	08), 7. 🗌 Examiner's Amendr	ment/Comment	
4. Examiner's Comment Regarding Requirement for Deposit	8. X Examiner's Stateme	ent of Reasons for All	lowance
of Biological Material	9.		
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## **REASONS FOR ALLOWANCE**

- 1. Claims 1-6 and 11-15 are allowed.
- 2. The following is an examiner's statement of reasons for allowance:

Claim 1 is allowable over the prior art for at least the reason that the prior art fails to teach or reasonably suggest, "so that an output beam of a desired diffractive order has a more uniform energy distribution than the input beam and is spatially separated from all other diffracted beams of different orders, wherein the spatial separation avoids interference between the output beam and any other diffracted beam of a different order" as set forth in the claimed combination. Claims 2-6 are also allowable based upon their dependence on claim 1.

Claim 11 is allowable over the prior art for at least the reason that the prior art fails to teach or reasonably suggest, "spatially separating the output beam from other diffracted beams of different orders at the predetermined distance, where the output beam does not interfere with the other diffracted beams" as set forth in the claimed combination. Claims 12-15 are also allowable based upon their dependence on claim 11.

The prior art of record, Case et al teaches an off-axis beam shaper comprising an optical substrate and a diffractive surface, wherein the diffractive surface shapes an input beam. However, the prior art does not teach that an output beam is spatially separated from all other diffracted beams of different orders, wherein the spatial separation avoids interference between the output beam and any other diffracted beam

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of a different order and there is no motivation or teaching to modify this difference as

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derived.

3. Any comments considered necessary by applicant must be submitted no later

than the payment of the issue fee and, to avoid processing delays, should preferably

accompany the issue fee. Such submissions should be clearly labeled "Comments on

Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Alessandro V. Amari whose telephone number is (571)

272-2306. The examiner can normally be reached on Monday-Friday 8:00 AM to 5:30

PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Drew Dunn can be reached on (571) 272-2312. The fax phone number for

the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

ava AM 02 March 2005 PRIMARY EXAMINER